BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Improvements to roads and drains at Munikondappa Layout & Muneshwaranagara in Bagalagunte Ward No.14, T.Dasarahalli Sub Division.

			Est. Cost Rs.				19.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
		Cum	2	60.00	1.20	1.00	144.00		
							144.00	86.92	12516.00
	Basic Rate	82.00							
	Add Area Weightage 6%	4.92							
	Total	86.92							
2	KSRRB 300-47. Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff including cost of all labour charges Complete as per specifications. MORTH Chapter 3. Page No. 147/ Item No. 19.53/ PWD SR 2016-17-16								
		Sqm	1	60.00	5.50		330.00		
							330.00	26.50	8745.00
	Basic Rate	25.00							
	Add Area Weightage 6%	1.50							
	Total	26.50							
3	KSRRB 300-53. Construction of **embankment** with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **Page No. 148/ Item No. 19.60/ PWD SR 201-6-17**								
		Cum	1	60.00	5.50	0.45	148.50		
							148.50	320.12	47538.00
	Basic Rate	302.00							
	Add Area Weightage 6%	18.12							
	Total	320.12							
4	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
		Cum	2	60.00	1.2	0.15	21.60		

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	4867.00					21.60	5159.02	111435.00
	Add Area Weightage 6%	292.02							
	Total	5159.02							
5	KSRB 4-6.4 : Providing and removing **centering**, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17								
		Sqm	4	60.00	1.00		240.00		
	Basic Rate	293.00					240.00	310.58	74539.00
	Add Area Weightage 6%	17.58							
	Total	310.58							
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2016-17)								
		Cum	2	60.00	0.15	0.90	16.20		
			2	60.00	0.60	0.075	5.40		
	Basic Rate	5441.00					21.60	5767.46	124577.00
	Add Area Weightage 6%	326.46							
	Total	5767.46							
7	KSRB 4.9.2 : Providing **T.M.T steel** reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2016-17								
		Tonne	2	600.00	2.55	0.62	1897.20		
			2	25.00	75.00	0.62	2325.00		
							4222.20		
						Say	4.22	59413.00	250854.00
	Basic Rate	56050.00							250723.00
	Add Area Weightage 6%	3363.00							
	TOTAL	59413.00							
8	Supplying and fixing **precast** rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	2	60.00	0.90		108.00		

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Data Rates Approved by CE DZ enclosed	1600					108.00	1600.00	172800.00
9	KSRRB M400-1 For Grading I material construction of **granular sub-base** by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 156/ Item No. 20.6.1 PWD SR 2016-17								
	2 Nos Short Cross roads	Cum	1	60.00	5.50	0.10	33.00		
	2nd Main road		1	152.00	5.50	0.10	83.60		
	Basic Rate	1433.00					116.60	1518.98	177113.00
	Add Area Weightage 6%	85.98							
	TOTAL	1518.98							
10	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2016-17, P.No.158 I No.20.18)								
	Roads	Cum.	1	60.00	5.50	0.23	75.90		
			1	152.00	5.50	0.23	192.28		
							268.18	1768.08	474164.00
	Basic Rate	1668.00							
	Add Area Weightage 6%	100.08							
	Total	1768.08							
11	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2016-17, P.No.161, I No.21.6)								
		Sqm	1	60.00	5.50		330.00		
			1	152.00	5.50		836.00		
							1166.00	27.56	32135.00
	Basic Rate	26.00							
	Add Area Weightage 6%	1.56							
	Total	27.56							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
12	Providing and laying **bituminous concrete** with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Speicification clause no 500.9 complete in all respects complete as per specification no 509. using 40/60 TPH Capacity H.M.P With Mechanical paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen (p-165, lt 21.22.6) PWD SR 2016-17								
		Cum	1	60.00	5.50	0.045	14.85		
			1	152.00	5.50	0.045	37.62		
	Basic Rate	6859.00					52.47	7270.54	381485.00
	Add Area Weightage 6%	411.54					.		
	Total	7270.54							
13	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. ~~2.00~~ 2.50 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 134 Item No. 17.1 PWD SR 2016-17								
		Cum	Qty Vide Item No. 1				144.00	~~85.65~~ 80.80	~~12333.00~~ 11635.00
	Loading and Unloading Charges	68.00							
	Lead 4 KMs	12.80 (2.50×1.28×4)							
		80.80							
	Add Area ~~Weightage~~ 6%	~~4.85~~							
	~~Total~~	~~85.65~~							
14	Quality control Test Charges 1%								19000.00
									1595.00
15	Miscellaneous and UnforessenCharges								~~766.00~~
								Total	1900000.00
	(Rupees Ninteen Lakhs Only)								

CERTIFICATE:-

1. The Work spot has been inspected and the work is found to be necessary
2. The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3. The Provision made in estimate are adequate and essential.
4. This area comes under BBMP limits.

Assistant Engineer
Bagalagunte Ward 14

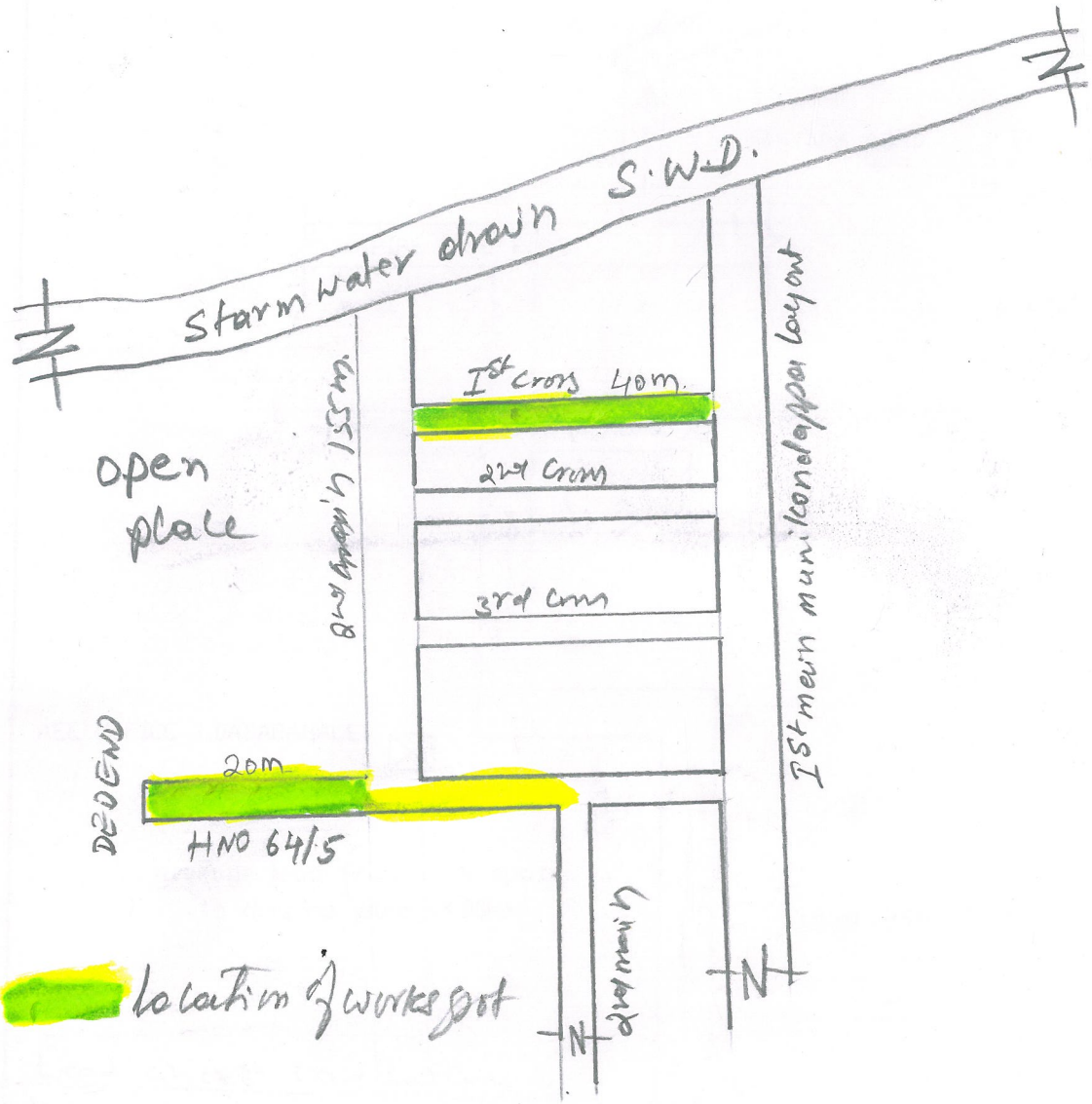
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. CE/D2/AS/62/16-17 ದಿನಾಂಕ : 09/01/17
ರೂ. ಹತ್ತೊಂಭತ್ತು ಲಕ್ಷಗಳನ್ನು ಮಾತ್ರ /—
Rp. Ninteen lakhs only/—ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DD/TS/89/16-17 ದಿನಾಂಕ : 10.01.17
ರೂ. Nineteen lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Name of work:- Improvements to roads and drains at Munikondappa layout and Muneshwara nagara in Bagalagunte ward No 14.



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿಬಿಎಂಪಿ ಪೂರ್ವ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು
ಬೆಂಗಳೂರು